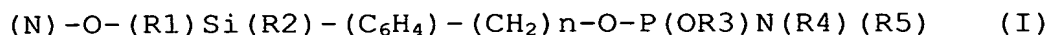


What is claimed is:

1. 3'-end nucleoside unit comprising phosphoramidite that is a compound represented by the following formula:



- 5 wherein (N) represents any nucleoside or its derivative, each of R<sub>1</sub>, R<sub>2</sub>, R<sub>4</sub> and R<sub>5</sub> is an alkyl or aryl group, R<sub>3</sub> is a phosphate-protecting group, and n is an integer of from 1 to 5.
2. The compound according to Claim 1 wherein R<sub>1</sub> and R<sub>2</sub> are an  
10 alkyl group having 1 to 5 carbon atoms.
3. The compound according to Claim 1 wherein the aryl group of R<sub>1</sub> and R<sub>2</sub> has a substituent of alkyl, nitro, cyano, halogeno or methoxy group.
4. The compound according to any one of Claims 1 to 3 wherein  
15 the phosphate-protecting group is 2-cyanoethyl, 4-nitrophenylethyl, N-(trifluoroacetyl)aminobutyl, or 4-[N-methyl-N-(2,2,2-trifluoroacetyl)amino]butyl group.
5. The compound according to Claim 4 wherein the phosphate-protecting group is 2-cyanoethyl.
- 20 6. The compound according to any one of Claims 1 to 5 wherein R<sub>4</sub> and R<sub>5</sub> are an alkyl having 1 to 4 carbon atoms, benzyl, phenyl, or naphthyl group.
7. The compound according to Claim 6 wherein R<sub>4</sub> and R<sub>5</sub> are an isopropyl group.
- 25 8. The compound according to any one of Claims 1 to 7 wherein a benzene ring structure has a substituent.

9. The compound according to Claim 8 wherein the substituent of the benzene ring structure is selected from the group consisting of alkyl having 1 to 4 carbon atoms, halogeno, nitro, cyano and methoxy groups.
- 5 10. The compound according to Claim 1, which is  
5'-[O-(4,4'-dimethoxytrityl)], 3'-O-[4-O-(2-cyanoethyl  
N,N-diisopropyl phosphoramidite)  
benzyl-diisopropylsilyl]thymidine.
11. The compound according to Claim 1, which is  
10 5'-[O-(4,4'-dimethoxytrityl)], 3'-O-[4-O-(2-cyanoethyl  
N,N-diisopropyl phosphoramidite)  
benzyl-diisopropylsilyl]2'-deoxyadenosine.
12. A solid-phase support having the 3'-end nucleoside unit according to any one of Claims 1 to 11 introduced thereon.
- 15 13. The solid-phase support according to Claim 12 having the  
3'-end nucleoside unit at a ratio of 20-30  $\mu\text{mol/g}$ .
14. The solid-phase support according to Claim 12 or 13, which is HCP solid-phase support.
15. A method for the synthesis of a nucleic acid oligomer with  
20 the use of the solid-phase support according to Claim 12,  
13 or 14.
16. The method according to Claim 15, which is a  
phosphoramidite one with the use of an activating agent comprising an alcohol-type compound, or a mixture of the  
25 alcohol-type compound and an acid catalyst.